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## FACSIMILE COVER SHEET

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TOTAL NUMBER OF PAGES BEING SENT (INCLUDING COVER SHEET): 11

Original documents to follow by mail  No originals will be sent

DATE: April 25, 2002

TO: Examiner Paul Prebilic  
 Group Art Unit 3738

FAX #: 703-872-9303

PHONE #: 703-308-2905

Application No.: 09/186,810  
 Applicant: CARLYLE et al.  
 Due Date: April 25, 2002

OUR R.F.: 1416.25US02

**FAX RECEIVED**

FROM: Peter S. Dardi, Ph.D.  
 PHONE #: (612) 349-5746

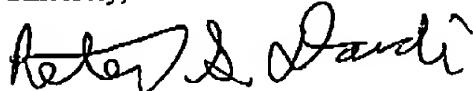
APR 25 2002

**GROUP 3700**

Attached please find the following document for filing in the above-identified patent application:

1) Amendment.

Sincerely,



Peter S. Dardi, Ph.D.  
 Reg. No. 39,650

## CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office, Fax No. 703-872-9303 on the date shown below thereby constituting filing of same.

April 25, 2002  
 Date



Molly McClellan

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## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 1416.25US02

Carlyle et al.

Application No.: 09/186,810

Examiner: P. Prebilic

Filed: November 5, 1998

Group Art Unit: 3738

For: PROSTHESES WITH ASSOCIATED GROWTH FACTORS

AMENDMENT

Box Non-Fee Amendment  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action of January 25, 2002, amendment to the above-identified patent application is requested. Replacement claims are presented below, and marked-up claim amendments are presented on attached sheets at the end of this amendment.

In the Claims

Please substitute the following amended claims for those currently pending:

1. (Six Times Amended) A prosthesis comprising a substrate and a polypeptide growth factor associated with the substrate by covalent bonding using crosslinking agents, antibody-antigen associations, specific binding protein-receptor associations or enzyme-substrate associations, wherein the crosslinking agents comprise at least two aldehyde functional groups that form covalent bonds to link the crosslinking agent directly with the polypeptide growth factor and the substrate, the polypeptide growth factor associated with the substrate being effective to stimulate association of viable cells with the substrate, and the substrate.